

Lemon Party

by Arya Akhavan (November 2012)

Angles for R.I. = 1.540

77 + 16 girdles = 93 facets

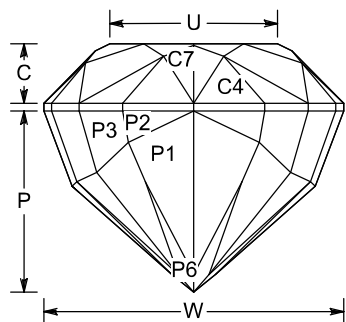
2-fold, mirror-image symmetry

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L/W = 1.378 T/W = 0.841 U/W = 0.560

P/W = 0.602 C/W = 0.198

Vol./W³ = 0.406



PAVILION

P1	42.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to centerpoint.
G1	90.00°	07-41-55-89	Set stone length.
G2	90.00°	14-34-62-82	Meet P1, G1
G3	90.00°	17-31-65-79	Meet P1, G2
G4	90.00°	22-26-70-74	Meet P1, G3
P2	65.00°	07-41-55-89	Meet P1, G1 (level girdle)
P3	67.97°	14-34-62-82	Meet G1, G2, P2 (level girdle)
P4	68.87°	17-31-65-79	Meet G2, G3, P3 (level girdle)
P5	69.49°	22-26-70-74	Meet G3, G4, P4 (level girdle)
P6	41.00°	06-18-30-42-54-66-78-90	Meet P1, P4, P5 (only 4 facets meet)

CROWN

C1	47.57°	22-26-70-74	Set girdle width.
C2	45.00°	17-31-65-79	Level girdle.
C3	42.00°	14-34-62-82	Level girdle.
C4	45.00°	07-41-55-89	Level girdle.
C5	45.52°	23-25-71-73	Meet G4, C1
C6	39.62°	15-33-63-81	Meet G2, G3, C2, C3
C7	38.00°	03-45-51-93	Meet G1, C4
C8	28.00°	18-30-66-78	Meet C1, C2, C5, C6
C9	23.00°	11-37-59-85	Meet C3, C4, C6, C7
T	0.00°	Table	Meet C6, C8, C9

I just polished off a pint of Key Lime pie, so I wanted to write a "citrus-y" design. Originally, this was supposed to be a marquise, but I decided that lemons in real life aren't quite marquise-shaped. Works in materials from quartz to rutile (RI = 1.54 - 2.62), but in higher RIs the impression it gives starts becoming a bit more weird. I prefer it in pretty much anything yellow or green, like a Mali garnet or oro verde quartz.

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